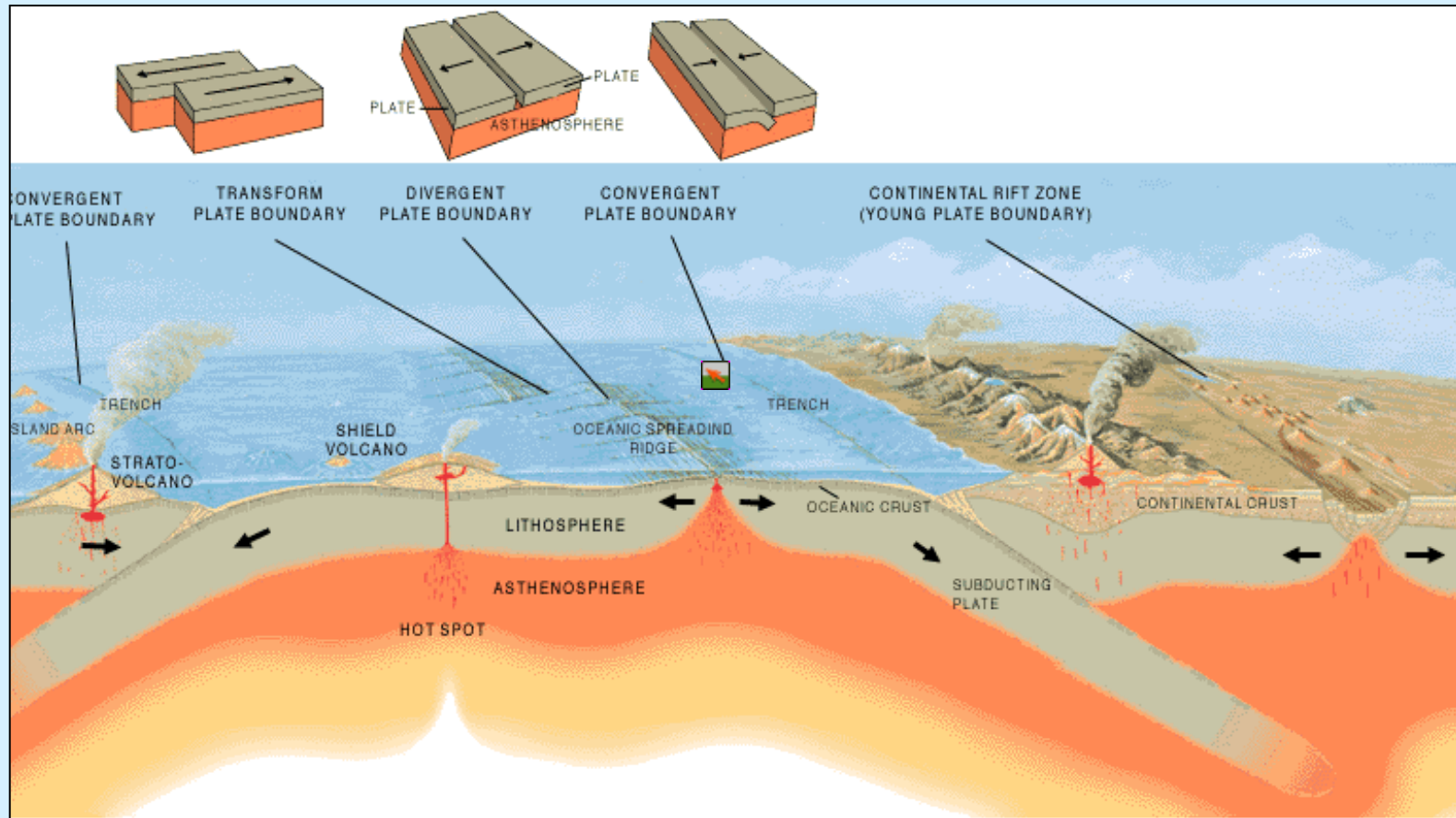
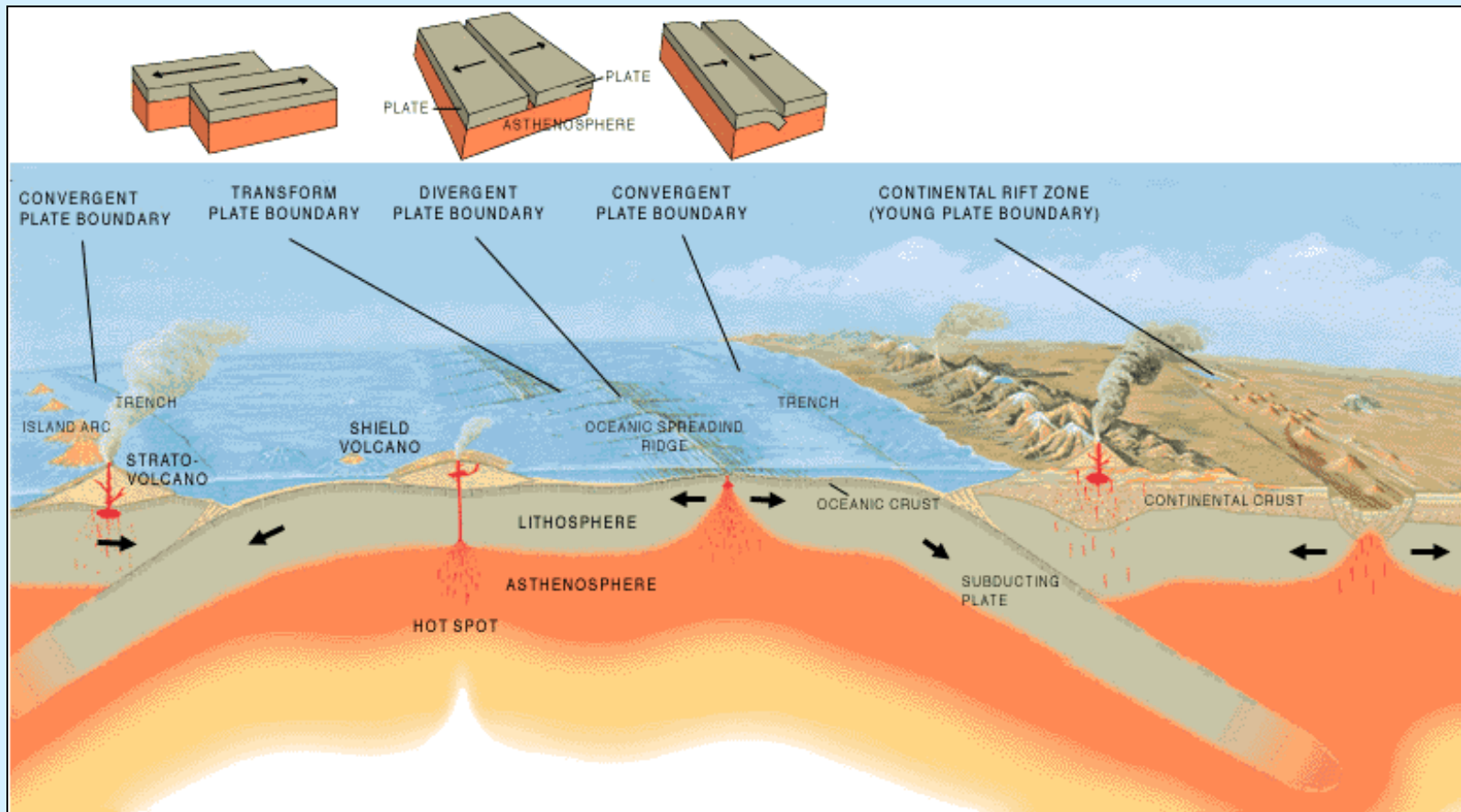


# Types of Plate Boundaries



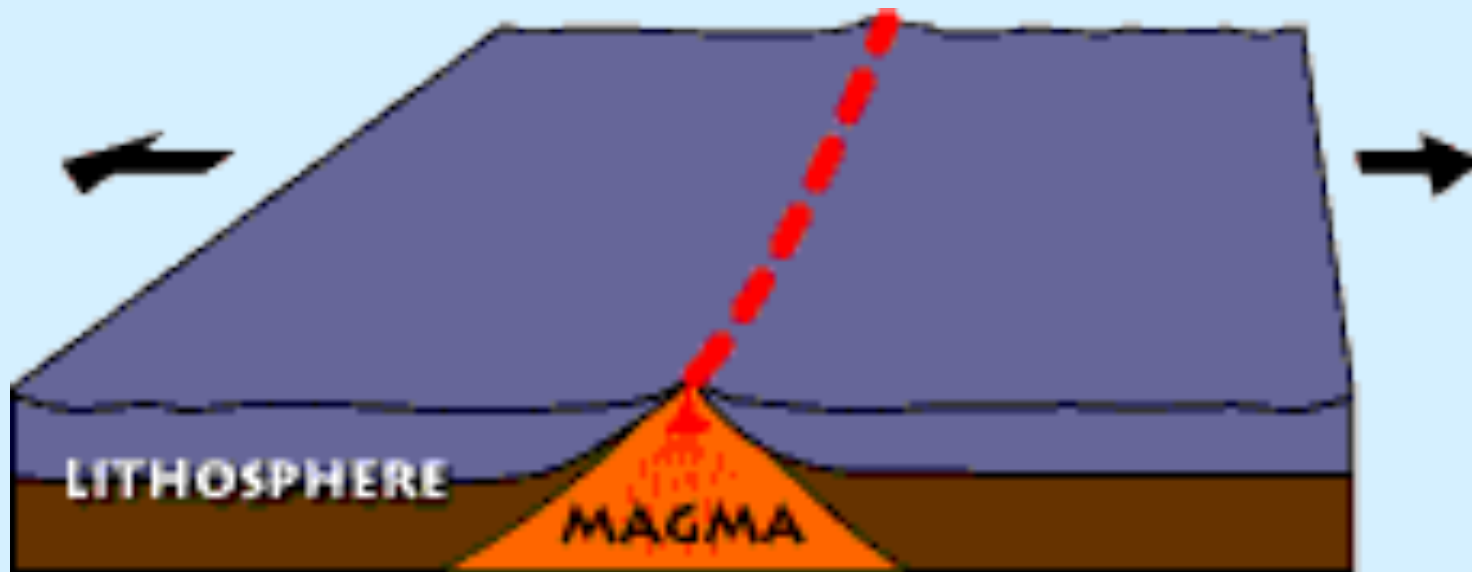
# There are four types of Plate Boundaries.



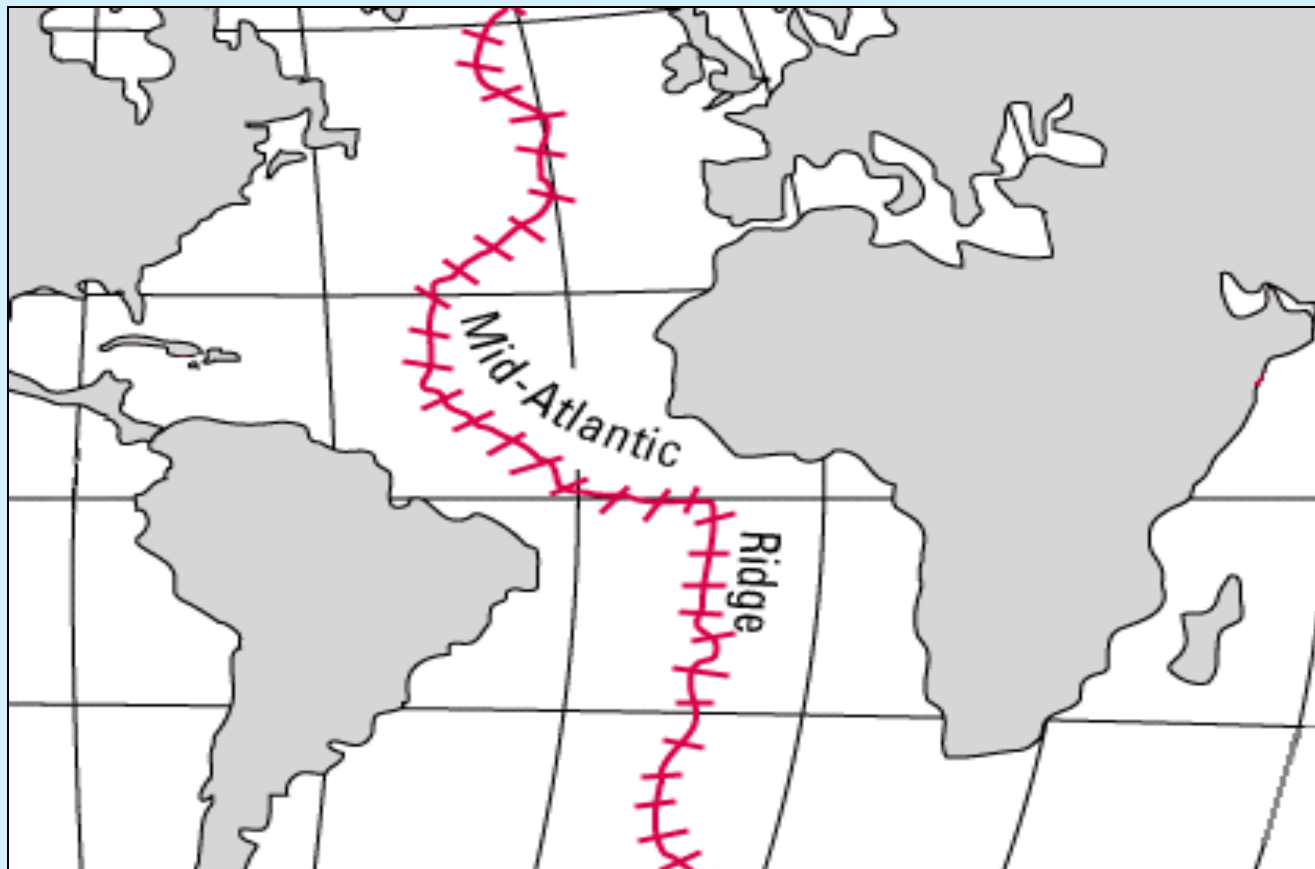
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The first type of plate boundary is called Divergent.

Divergent means: moving apart.

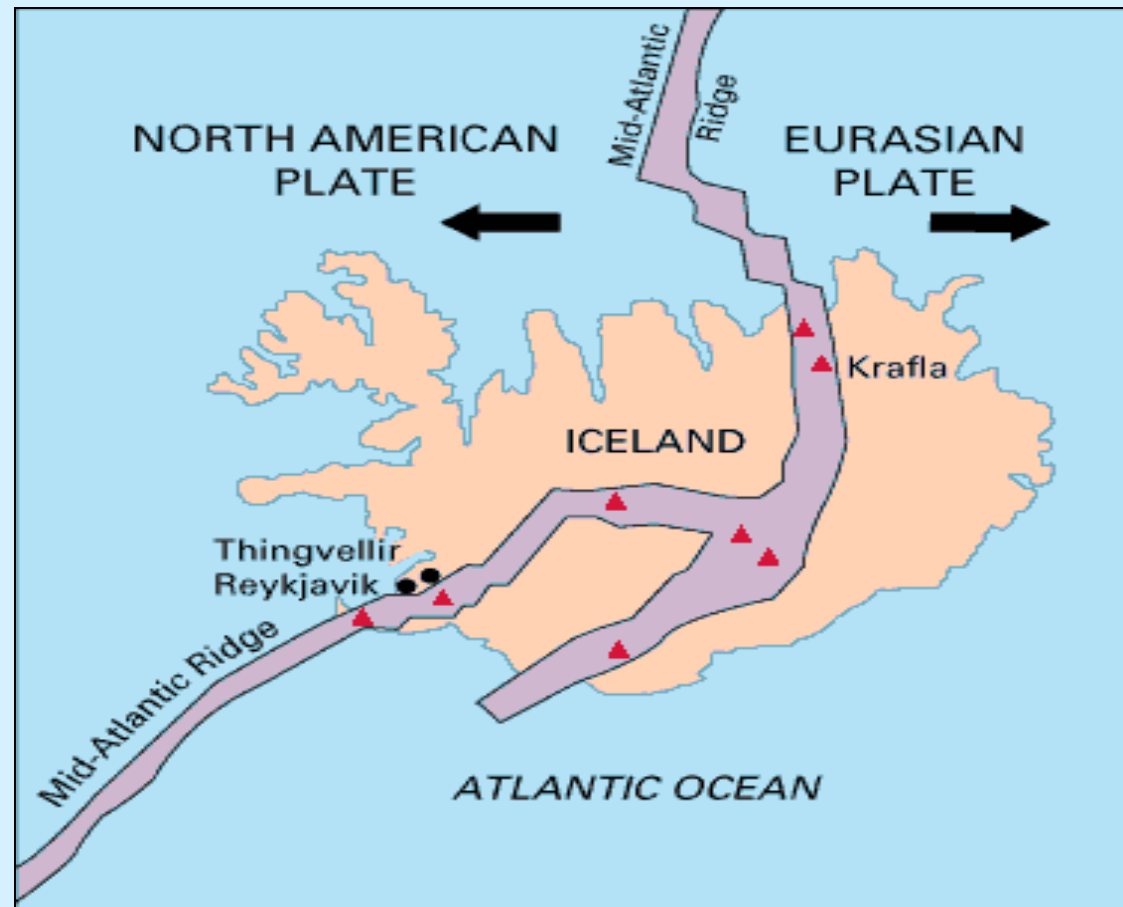


The Mid-Atlantic Ridge is an example of a Divergent Plate Boundary :



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Another example of a Divergent Plate Boundary is Iceland, which is splitting apart down the middle.



# Features of a Divergent Boundary: (1) Rift Valley

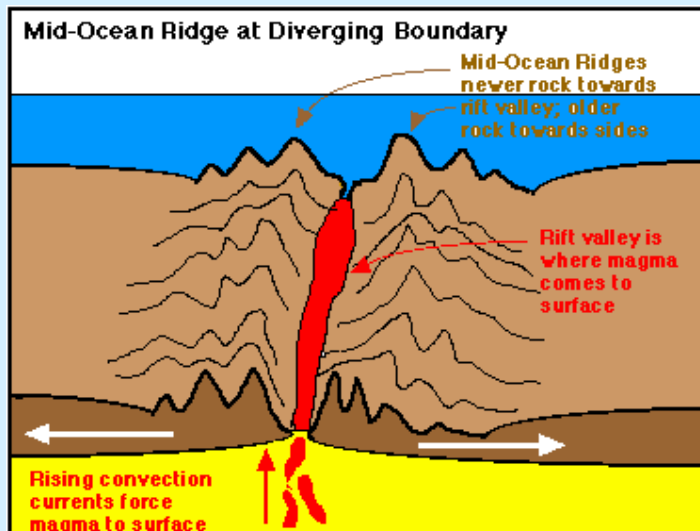
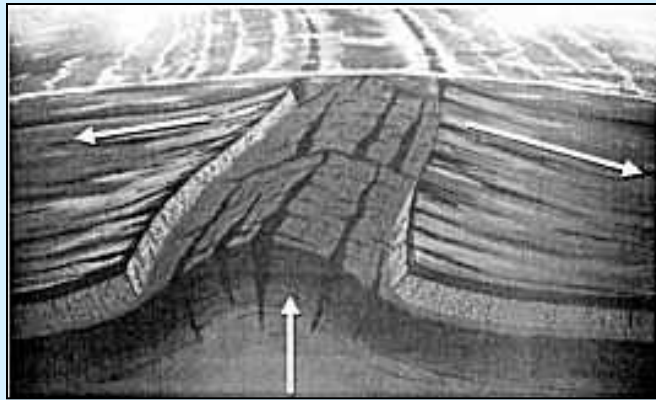


The Álfagjá Rift Valley  
in southwest Iceland



Most of the world's **rift valleys** are on the ocean floor.

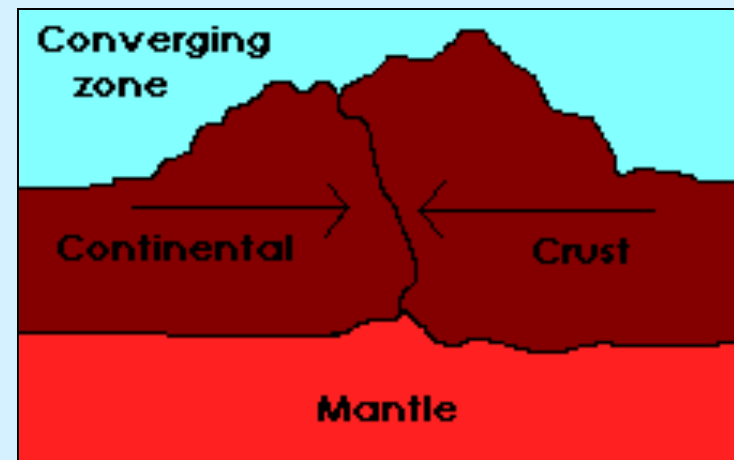
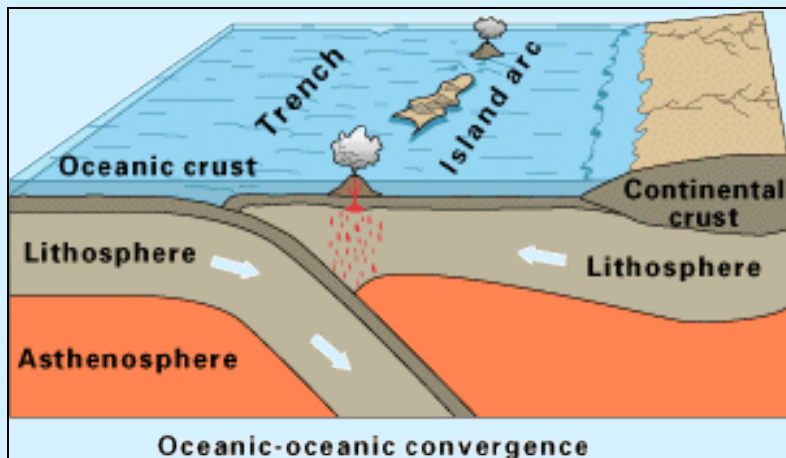
## (2) Mid-Atlantic Ridge Mountains or Volcanoes



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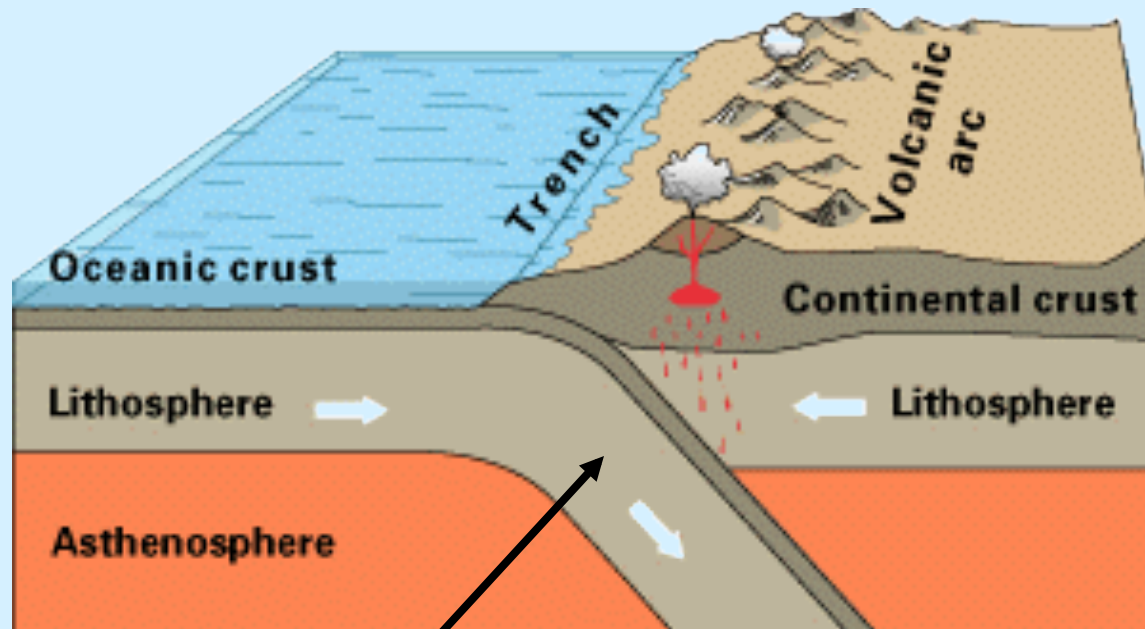
The second type of plate boundary is called Convergent.

Convergent means: moving together.



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There are two types of Convergent Boundaries.  
The first is: Convergent - Subduction.



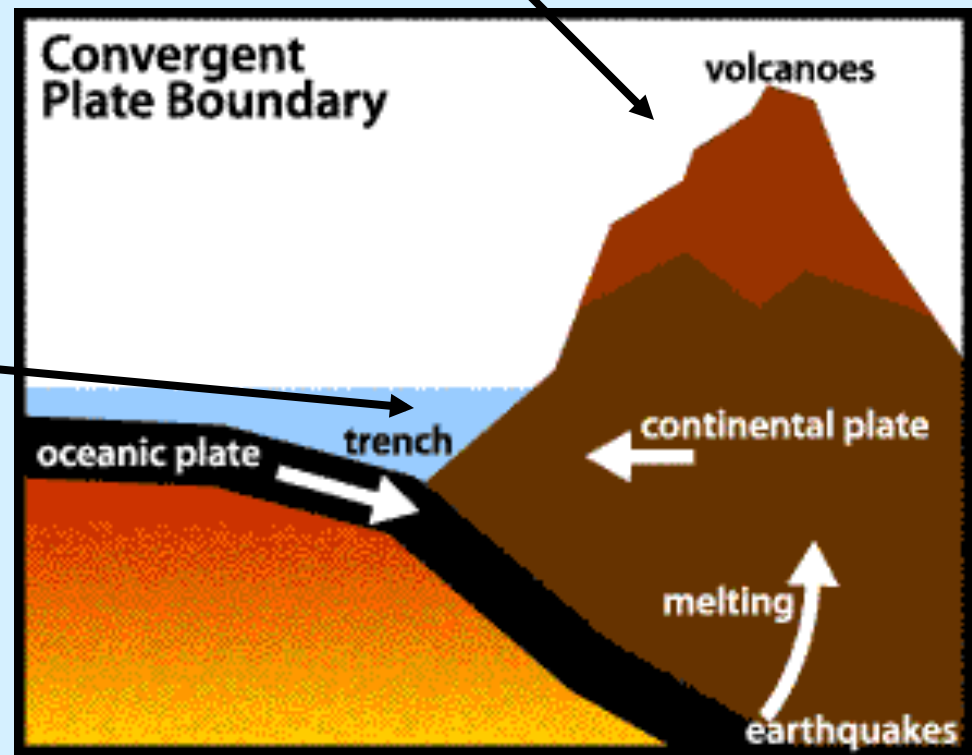
In this type of Convergent Boundary, the denser plate subducts under the less dense plate.

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# Features of a Convergent-Subduction Boundary are:

1. Volcanic Mountain Ranges

2. Trenches



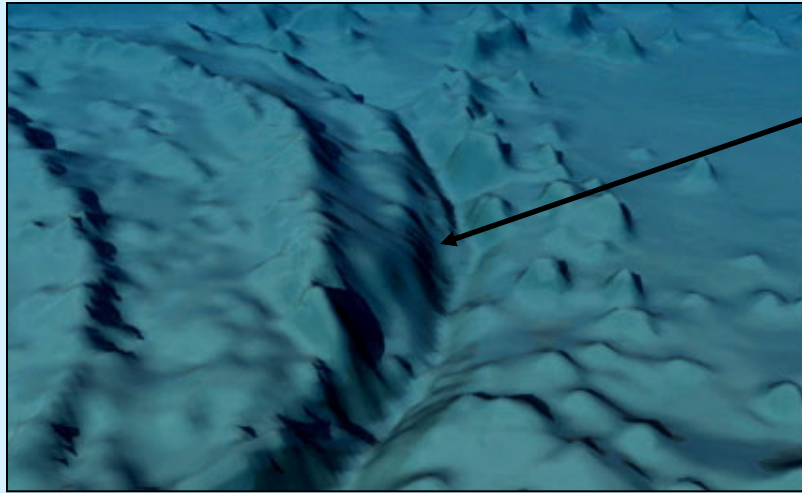
# The Andes Mountains are an example of a Volcanic Mountain Chain formed by a Convergent-Subduction Boundary.



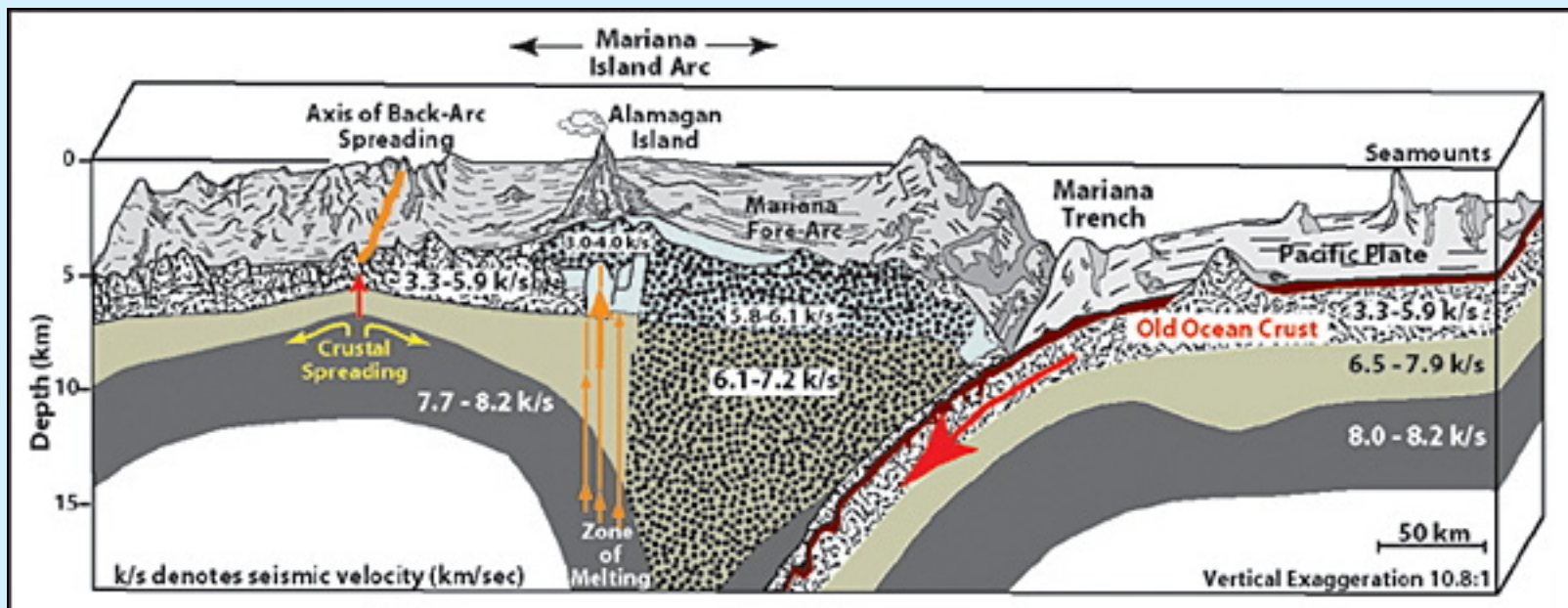
The Nazca Plate is subducting under the South American Plate, forming the Andes Mtns.



The Mariana Trench is an example of a Trench formed by a Convergent-Subduction Plate Boundary.

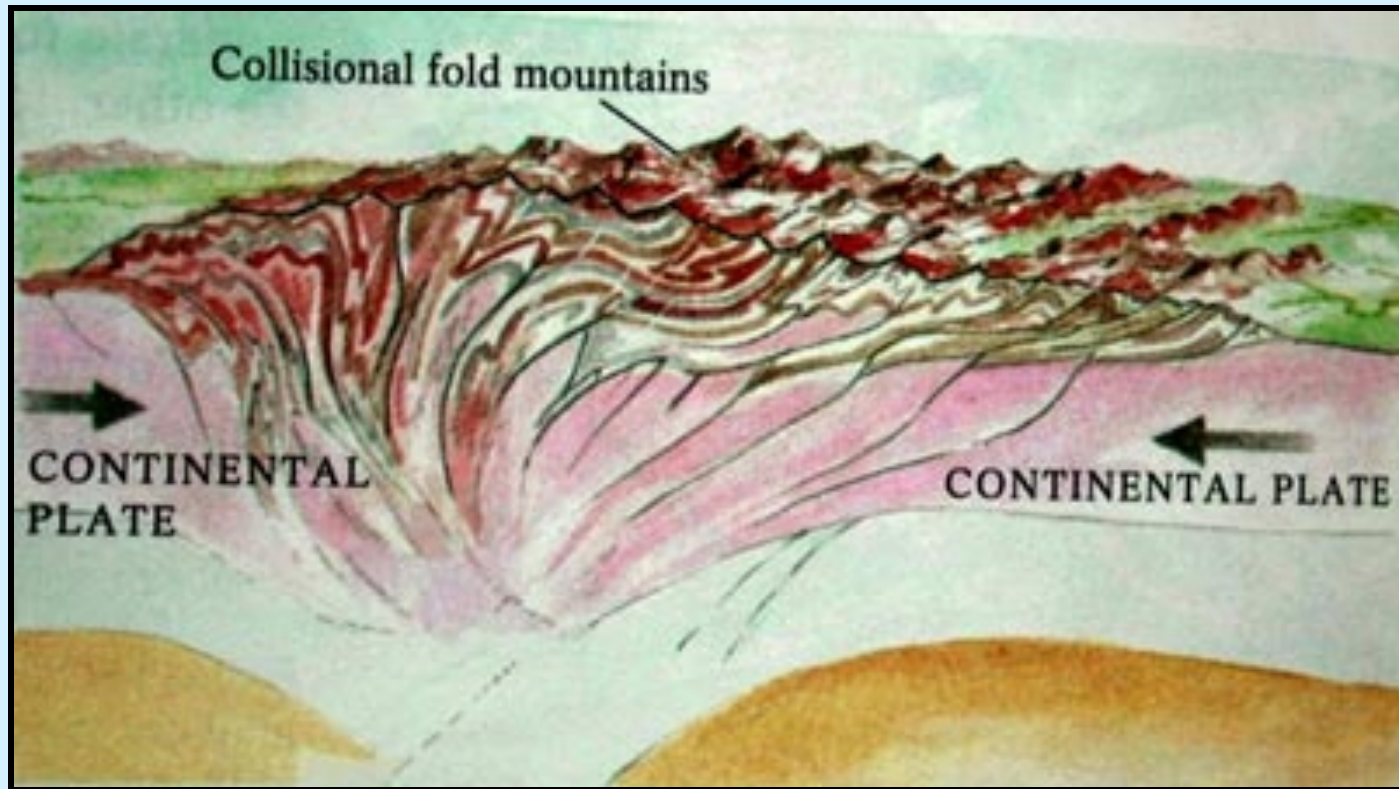


The Pacific Plate is subducting under the Eurasian Plate.



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Another type of Convergent Plate Boundary is the Convergent - Collision Boundary.

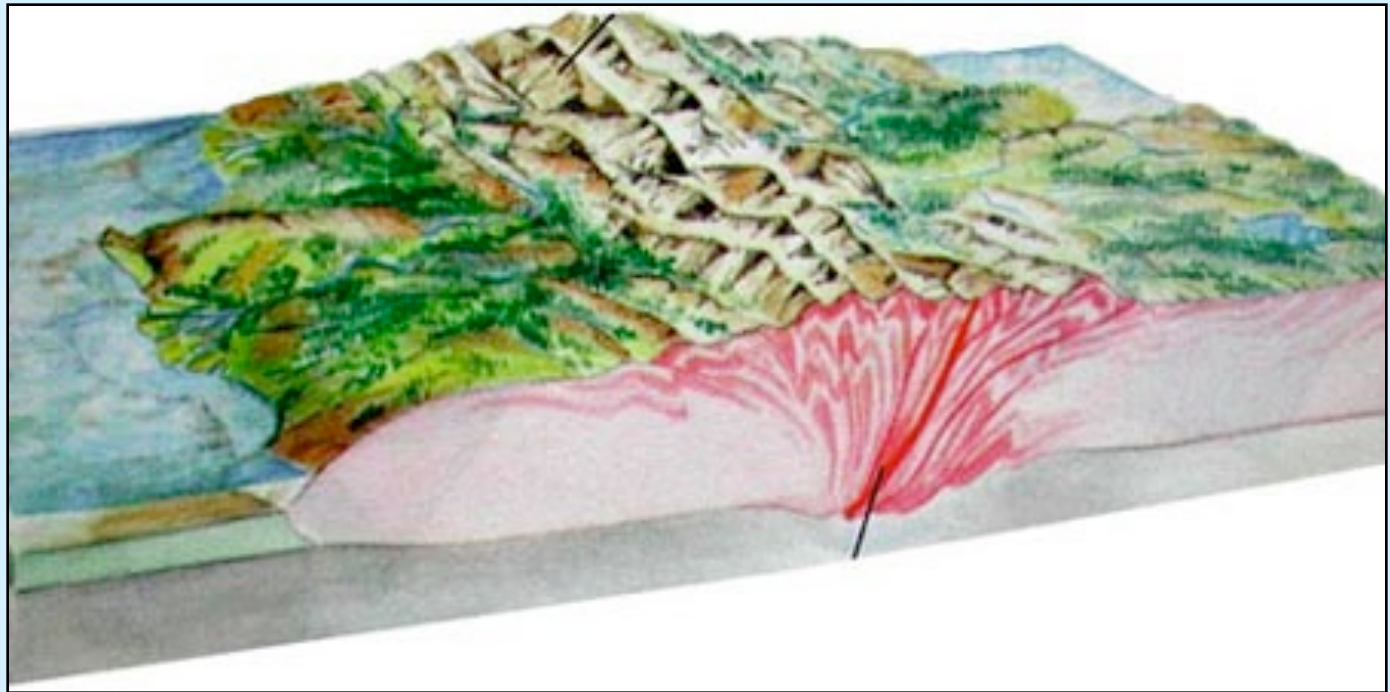


Two plates of the same density collide and form Folded Mountains.

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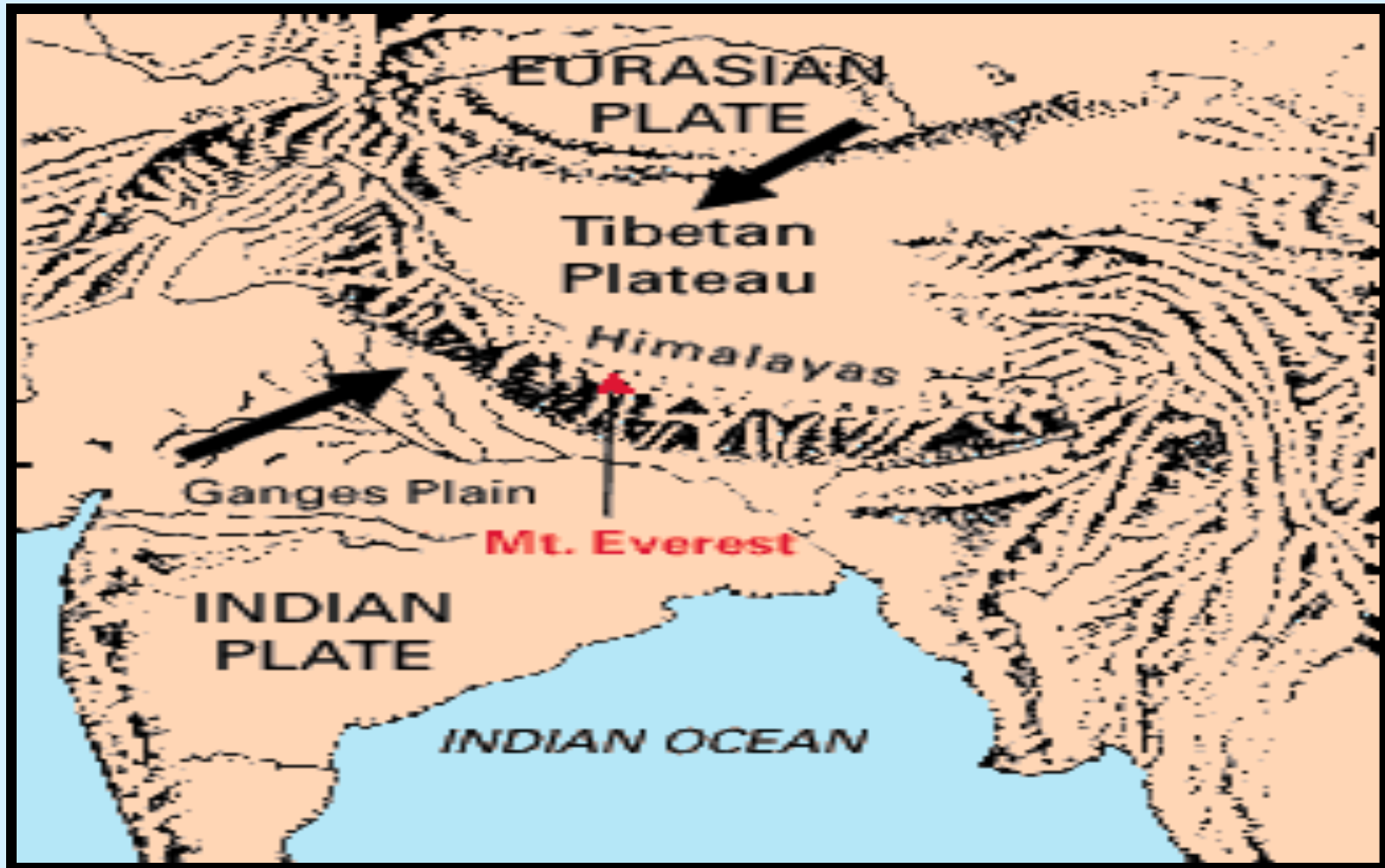
# Features of a Convergent-Collision Boundary are:

## Folded Mountains



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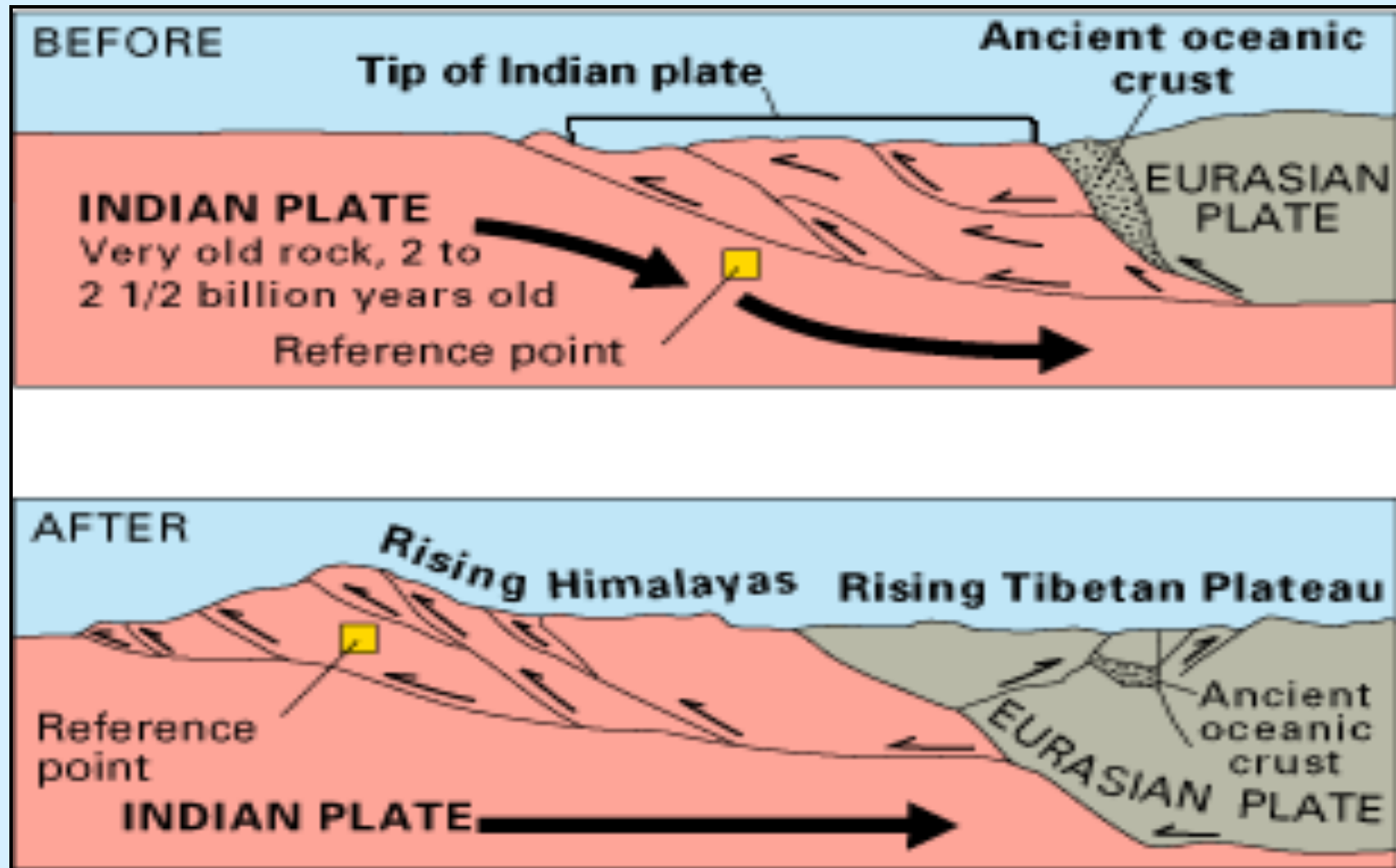
An example of a Convergent-Collision Folded Mountain is the Himalayan Mtns.



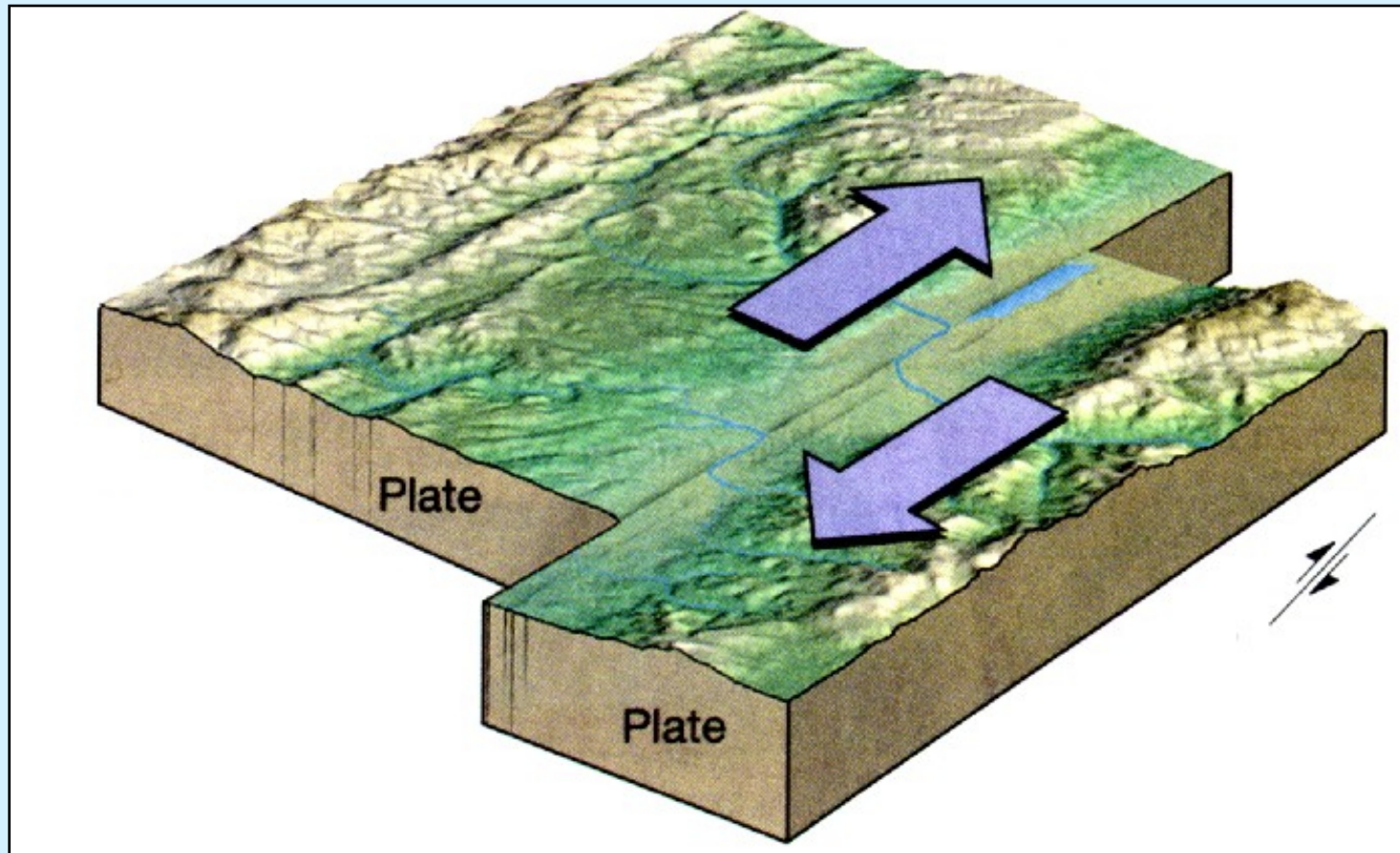
India is colliding  
with the Eurasian continent.



## Another view:



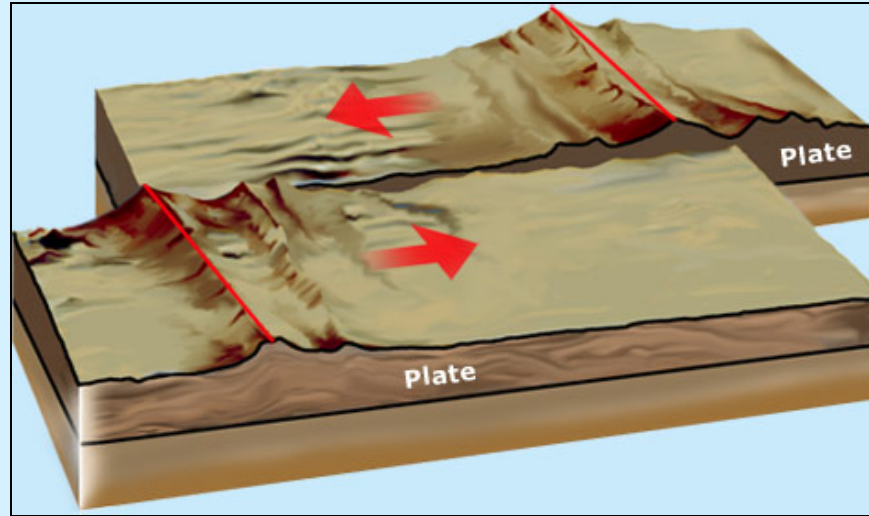
The fourth type of Plate Boundary is the Transform-Sliding Boundary.



These plates slide past each other.

# The Features of a Transform-Sliding Boundary are:

Earthquake Zone  
or  
Fault Zone



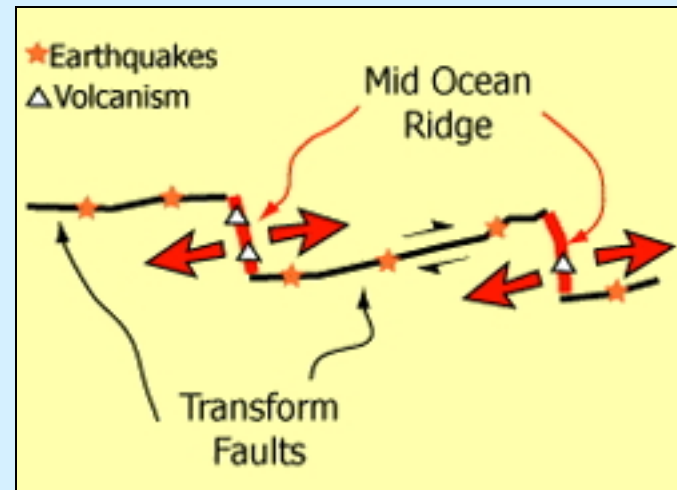
An example of a Transform-Sliding Plate Boundary is the San Andreas Fault Zone in California.



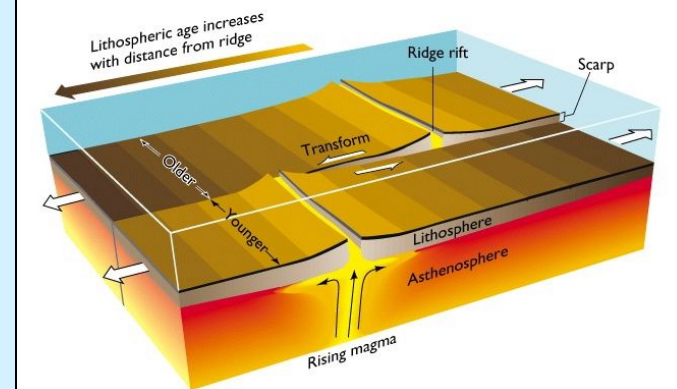
**Views from  
the air of the  
San Andreas  
Fault Zone.**



# The Mid-Atlantic Ridge also has sliding (transform) boundaries.



## Spreading Centers Offset by Transform Boundary





# The End

**BONUS:**

**(1) Does your state sit on a Plate Boundary? (2) How do you know?**